

Updated

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	472	516/53.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:31
L2	195	516/924.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:31
L3	44	516/925.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:31
L4	663	L1 L2 L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:31
L5	5247518	fluid or liquid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32
L6	5501023	jet or stream or flow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32
L7	3582755	imping\$3 or countercurrent or (counter adj current) or mix\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32
L8	1936835	dispers\$3 or emuls\$4 or sol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32
L9	4050269	opposite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32

L10	986432	impact\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32
L11	9	L5 and L6 and L7 and L8 and L9 and L10	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32
L12	10627186	chamber or vessel or area or section	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32
L13	5	L11 and L12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:32
L14	66424	venturi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/27 08:33
L15	169	(method with L8) and (L6 with (L7 or L9)) and (L5 with L8) and (L8 with (particle or particulat\$3)) and L10 and L14	US-PGPUB; USPAT	OR	ON	2008/10/27 08:33
S1	1	("20040266890").PN.	US-PGPUB	OR	OFF	2005/07/21 09:24
S2	16	("20020176935"   "20030031719"   "20030044433"   "4908154"   "5314506"   "5720551"   "5780062"   "5858410"   "6221332"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 09:24
S3	11	("6607784" "6835396" "6869617" "6884436" "20020143051" "20020168402" "20020143050" "20030003155" "20030044433" "20030096013" "20040022862").pn.	US-PGPUB; USPAT	OR	ON	2005/07/21 10:05
S4	415	516/53.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 10:30

S6	191	516/924.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 10:31
S6	41	516/925.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 10:37
S7	50	("4997454" "6096769" "6184408" "4348385" "4540557" "4572733" "4606940" "4981819" "5254634" "5302312" "5597790" "6287743" "6294538" "6333147" "6342343" "6384125" "6432627" "6440548" "6451260" "6455679" "6468730" "6475713" "6607784" "6835396" "6869617" "6884436" "4833060" "4996265" "5580692" "5629367" "4370450" "4420442" "4421562" "4438263" "4784788" "4873091" "5008179" "5256527" "5602241" "5683723" "5744556" "5766635" "5770352" "5859121" "6063138" "6113930" "3891570" "4012314" "4110529" "4255545").pn.	USPAT; USOCR	OR	ON	2005/07/21 10:37
S8	20	(US-20030044433-\$ or US- 20030031719-\$ or US- 20020176935-\$ or US- 20040022862-\$ or US- 20030096013-\$ or US- 20030003155-\$ or US- 20020168402-\$ or US- 20020143051-\$ or US- 20020143050-\$).did. or (US-6221332-\$ or US- 5858410-\$ or US-5780062- \$ or US-5720551-\$ or US- 5314506-\$ or US-4908154- \$ or US-6884436-\$ or US- 6869617-\$ or US-6835396- \$ or US-6607784-\$).did. or (US-20020127278-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/21 10:38

S9	46	S7 not S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 10:38
S10	4262999	fluid or liquid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 13:21
S11	4345841	jet or stream or flow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 13:22
S12	2927905	imping\$3 or countercurrent or (counter adj current) or mix\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 13:23
S13	1566684	dispers\$3 or emuls\$4 or sol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 13:24
S14	2121	S10 WITH S11 with S12 with S13	US-PGPUB; USPAT	OR	ON	2006/06/28 08:30
S15	58071	venturi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 13:26
S16	260	(S10 WITH S11 with S12 with S13) and S15	US-PGPUB; USPAT	OR	ON	2005/07/21 13:48
S17	59	(S10 WITH S11 with S12 with S13) same S15	US-PGPUB; USPAT	OR	ON	2005/07/21 13:57
S18	43	(S10 WITH S11 with S12 with S13) with S15	US-PGPUB; USPAT	OR	ON	2005/07/21 13:49
S19	1180	(S10 and S11 and S12 and S13) and S15	USOCR	OR	ON	2005/07/21 13:58
S20	77	(S10 and S11 and S12 and S13) and S15	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 13:58
S21	31	(S10 near10 S11 near10 S12 near10 S13) and S15	USOCR	OR	ON	2005/07/21 13:59
S22	3	((("20030044433") or ("20030031719") or ("20020176935"))).PN.	US-PGPUB	OR	OFF	2005/07/27 13:14

S23	7	("20020012675"   "20020012704"   "20020041896"   "20020054912"   "5833891"   "6086376"   "6221398").PN.	US-PGPUB; USPAT	OR	ON	2006/02/15 13:58
S24	431	516/53.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:20
S25	192	516/924.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:28
S26	43	516/925.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:29
S27	4516781	fluid or liquid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:30
S28	4648692	jet or stream or flow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:30
S29	3078184	imping\$3 or countercurrent or (counter adj current) or mix\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:30
S30	1658617	dispers\$3 or emuls\$4 or sol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:30
S31	5041	S27 and S28 and S29 and S30	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:32
S32	3663320	opposite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:32
S33	793975	impact\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:32

S34	7	S27 and S28 and S29 and S30 and S32 and S33	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:34
S35	870	S27 and S28 and S29 and S30 and S32 and S33	USOCR	OR	ON	2006/06/28 08:34
S36	60404	venturi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 08:34
S37	70	S27 and S28 and S29 and S30 and S32 and S33 and S36	USOCR	OR	ON	2006/06/28 08:40
S38	633	S27 and S28 and S29 and S30 and S32 and S33 and S36	US-PGPUB; USPAT	OR	ON	2006/06/28 08:43
S39	184	(method with S30) and (S28 with (S29 or S32)) and (S27 with S30) and S33 and S36	US-PGPUB; USPAT	OR	ON	2006/06/28 08:46
S40	141	(method with S30) and (S28 with (S29 or S32)) and (S27 with S30) and (S30 with (particle or particulat\$3)) and S33 and S36	US-PGPUB; USPAT	OR	ON	2006/06/28 08:48
S41	2	(US-6221332-\$ or US-5314506-\$).did.	USPAT	OR	ON	2006/06/28 09:10
S42	1	S41 and cool\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 09:39
S43	2	S41 and surfactant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 09:39
S44	2	S42 S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 09:39
S45	1	*7112340*.PN.	USPAT	OR	ON	2007/05/08 06:26
S46	444	516/53.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:39

S47	193	516/924.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:42
S48	43	516/925.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:42
S49	4765151	fluid or liquid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:42
S50	4943768	jet or stream or flow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:42
S51	3227810	imping\$3 or countercurrent or (counter adj current) or mix\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:42
S52	1747698	dispers\$3 or emulsi\$4 or sol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:42
S53	3816625	opposite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:42
S54	862134	impact\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:42
S55	7	S49 and S50 and S51 and S52 and S53 and S54	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:39
S56	62616	venturi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 06:44
S57	70	S49 and S50 and S51 and S52 and S53 and S54 and S56	USOCR	OR	ON	2007/05/08 06:44

S58	152	(method with S52) and (S50 with (S51 or S53)) and (S49 with S52) and (S52 with (particle or particulat\$3)) and S54 and S56	US-PGPUB; USPAT	OR	ON	2007/10/29 07:40
S59	451	516/53.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:33
S60	194	516/924.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:35
S61	43	516/925.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:36
S62	4902353	fluid or liquid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:39
S63	5111663	jet or stream or flow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:39
S64	3308347	imping\$3 or countercurrent or (counter adj current) or mix\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:39
S65	1796435	dispers\$3 or emulsif\$4 or sol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:39
S66	3899552	opposite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:39
S67	900421	impact\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:39
S68	8	S62 and S63 and S64 and S65 and S66 and S67	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:45



S69	63786	venturi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:40
S70	156	(method with S65) and (S63 with (S64 or S66)) and (S62 with S65) and (S65 with (particle or particulat\$3)) and S67 and S69	US-PGPUB; USPAT	OR	ON	2007/10/29 07:40
S71	10030549	chamber or vessel or area or section	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:43
S72	4	S68 and S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:45
S73	156	S70 and S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 07:45
S74	641	S59 S60 S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 08:02
S75	463	516/53.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S76	195	516/924.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S77	44	516/925.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39

S78	654	S75 S76 S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S79	5095155	fluid or liquid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S80	5301999	jet or stream or flow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S81	3486310	imping\$3 or countercurrent or (counter adj current) or mix\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S82	1882110	dispers\$3 or emulsif\$4 or sol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S83	3959369	opposite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S84	943071	impact\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S85	9	S79 and S80 and S81 and S82 and S83 and S84	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S86	10314819	chamber or vessel or area or section	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39
S87	5	S85 and S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:39

S88	65150	venturi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/01 14:40
S89	164	(method with S82) and (S80 with (S81 or S83)) and (S79 with S82) and (S82 with (particle or particulat\$3)) and S84 and S88	US-PGPUB; USPAT	OR	ON	2008/05/01 14:40

10/ 27/ 08 8:35:06 AM

C:\Documents and Settings\tkugel\Desktop\My Documents\Applications\1 Active\10806050  
\10806050.wsp